



Form PTO 948 (Rev. 03/01)

U.S. DEPARTMENT OF COMMERCE - Patent and Trademark Office

Application No. 9/643,260NOTICE OF DRAFTSPERSON'S
PATENT DRAWING REVIEWThe drawing(s) filed (insert date) 8-11-00 are:A. ☐ approved by the Draftsperson under 37 CFR 1.84 or 1.152.B. ☒ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:
Black ink. Color.
____ Color drawings are not acceptable until petition is granted.
Fig(s) _____
____ Pencil and non black ink not permitted. Fig(s) _____
2. PHOTOGRAPHS. 37 CFR 1.84(b)
____ 1 full-tone set is required. Fig(s) _____
____ Photographs may not be mounted. 37 CFR 1.84(e)
____ Poor quality (half-tone). Fig(s) _____
3. TYPE OF PAPER. 37 CFR 1.84(e)
____ Paper not flexible, strong, white, and durable.
Fig(s) _____
____ Erasures, alterations, overwritings, interlineations,
folds, copy machine marks not accepted. Fig(s) _____
____ Mylar, velum paper is not acceptable (too thin).
Fig(s) _____
4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:
____ 21.0 cm by 29.7 cm (DIN size A4)
____ 21.6 cm by 27.9 cm (8 1/2 x 11 inches)
____ All drawing sheets not the same size.
Sheet(s) _____
____ Drawings sheets not an acceptable size. Fig(s) _____
5. MARGINS. 37 CFR 1.84(g): Acceptable margins:
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
SIZE: A4 Size
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
SIZE: 8 1/2 x 11
Margins not acceptable. Fig(s) 5,7
____ Top (T) _____ Left (L)
____ Right (R) _____ Bottom (B)
6. VIEWS. 37 CFR 1.84(h)
REMINDER: Specification may require revision to
correspond to drawing changes.
Partial views. 37 CFR 1.84(h)(2)
____ Brackets needed to show figure as one entity.
Fig(s) _____
____ Views not labeled separately or properly.
Fig(s) _____
____ Enlarged view not labeled separately or properly.
Fig(s) _____
7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3)
____ Hatching not indicated for sectional portions of an object.
Fig(s) _____
____ Sectional designation should be noted with Arabic or
Roman numbers. Fig(s) _____
8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
____ Words do not appear on a horizontal, left-to-right fashion
when page is either upright or turned so that the top
becomes the right side, except for graphs. Fig(s) _____
9. SCALE. 37 CFR 1.84(k)
____ Scale not large enough to show mechanism without
crowding when drawing is reduced in size to two-thirds in
reproduction.
Fig(s) _____
10. CHARACTER OF LINES, NUMBERS, & LETTERS.
37 CFR 1.84(i)
____ Lines, numbers & letters not uniformly thick and well
defined, clean, durable, and black (poor line quality).
Fig(s) _____
11. SHADING. 37 CFR 1.84(m)
____ Solid black areas pale. Fig(s) _____
____ Solid black shading not permitted. Fig(s) _____
____ Shade lines, pale, rough and blurred. Fig(s) _____
12. NUMBERS, LETTERS, & REFERENCE CHARACTERS.
37 CFR 1.84(p)
____ Numbers and reference characters not plain and legible.
Fig(s) _____
____ Figure legends are poor. Fig(s) _____
____ Numbers and reference characters not oriented in the
same direction as the view. 37 CFR 1.84(p)(1)
Fig(s) _____
____ English alphabet not used. 37 CFR 1.84(p)(2)
Fig(s) _____
____ Numbers, letters and reference characters must be at least
.32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3)
Fig(s) _____
13. LEAD LINES. 37 CFR 1.84(q)
____ Lead lines cross each other. Fig(s) _____
____ Lead lines missing. Fig(s) _____
14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)
____ Sheets not numbered consecutively, and in Arabic numerals
beginning with number 1. Sheet(s) _____
15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
____ Views not numbered consecutively, and in Arabic numerals,
beginning with number 1. Fig(s) _____
16. CORRECTIONS. 37 CFR 1.84(w)
____ Corrections not made from prior PTO-948
dated _____
17. DESIGN DRAWINGS. 37 CFR 1.152
____ Surface shading shown not appropriate. Fig(s) _____
____ Solid black shading not used for color contrast.
Fig(s) _____

COMMENTS

REVIEWER

J. CHASEDATE 6-7-02TELEPHONE NO. 703 305 8430

ATTACHMENT TO PAPER NO.

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